

Amendments to the Claims:

Claims 1-67 (Cancelled).

68. (Currently Amended) A method for optimizing a set of portfolios of assets comprising the steps of:

providing a computer having a computer-readable media and an electrical output device,  
wherein the computer-readable media has an application stored thereon;

storing data pertaining to the portfolio of assets on the computer-readable media;

identifying a set of economic models;

executing the set of economic models;

determining a fitness landscape representation with respect to the set of portfolios of assets by extracting a set of observables from said execution of the set of economic models;

optimizing the set of portfolios by determining at least one optimal searching distance in ~~set~~the fitness landscape representation;

searching for ~~optimal~~ ones of the set of portfolios of assets at the at least one optimal searching distance, wherein portfolios at the optimal searching distance comprise optimal ones of the set of portfolios of assets; and

presenting results from said searching step for the optimal ones of the portfolios of assets on ~~an~~the electrical output device.

69. (Previously Presented) A method as in claim 68 wherein each portfolio in the set of portfolios of assets comprises a vector corresponding to the assets of each corresponding portfolio wherein each element of the vector identifies a number of units of each of the corresponding assets in each portfolio of the set of portfolios.

70. (Currently Amended) A method as in claim 69 further comprising:  
identifying a first portfolio of the portfolio of assets and a second portfolio of the  
portfolio of assets;  
determining a difference between ~~said~~ the vector of ~~said~~ the first portfolio and ~~said~~ the  
vector of ~~said~~ the second portfolio; and  
wherein the at least one searching distance between ~~a~~the first portfolio of the set of  
portfolios of assets and ~~a~~the second portfolio of the set of portfolios of assets is defined as the  
difference between the vector of the first portfolio and the vector of the second portfolio.
71. (Currently Amended) A method as in claim 68 wherein the fitness of ~~said~~the landscape  
representation comprises a value of risk.
72. (Previously Presented) A method as in claim 68 wherein said determining a fitness  
landscape representation step comprises inferring the fitness landscape representation from  
historical data.
73. (Currently Amended) Computer executable software code stored on a computer readable  
medium, the code for optimizing a set of portfolios of assets, the code comprising:  
code to execute a set of economic models;  
code to determine a fitness landscape representation with respect to the set of portfolios  
of assets by extracting a set of observables from the execution of the set of economic models;  
code to optimize the set of portfolios by determining at least one optimal searching  
distance in said fitness landscape representation;  
code to search for ~~optimal~~ ones of said set of portfolios of assets at said at least one  
optimal searching distance, wherein portfolios of assets at the optimal searching distance range  
comprise optimal ones of said set of portfolios of assets; and  
code to present results from the searching for said optimal ones of said set of portfolios  
of assets on an electrical output device.

74. (Currently Amended) A programmed computer system for optimizing a set of portfolios of assets comprising at least one memory having at least one region storing computer executable program code and at least one processor for executing the program code stored in said memory, wherein the program code comprises:

code to execute a set of economic models;

code to determine a fitness landscape representation with respect to the set of portfolios of assets by extracting a set of observables from said execution of the set of economic models;

code to optimize the set of portfolios by determining at least one optimal searching distance in said fitness landscape representation;

code to search for ~~optimal~~ ones of said set of portfolios of assets at said at least one optimal searching distance, wherein portfolios of assets at the optimal searching distance range comprise optimal ones of said set of portfolios of assets; and

code to present results from the searching for said optimal ones of said set of portfolios of assets on an electrical output device.

Claims 75-100 (Cancelled).